



The Stethoscope

NEWS of the COLUMBIA-PRESBYTERIAN MEDICAL CENTER

VOLUME XXI, NUMBER 1

JANUARY, 1966

Announce \$2 Million Eye Grant

A grant of \$2,000,000 from the Commonwealth Fund for the Institute of Ophthalmology has been received by the Medical Center. The money will be used to expand the Eye Institute's out-patient clinic and to provide additional space for research endeavor.

The Commonwealth Fund divided its gift into three parts:

First, \$1,000,000 to Presbyterian Hospital for endowment, the income to help defray additional operating expenses in connection with the Eye Institute's expanded building;

Second, \$500,000 to the College of Physicians and Surgeons for endowment, the income to help defray Columbia University's additional operating expenses, including staffing of the expanded building;

Third, \$500,000 to the Medical Center toward construction of an addition to the Institute.

GRANTS CONTINGENT

Both the grants for endowment are contingent on raising the total construction cost of at least \$4,000,000 by the end of this year. The grant for construction is an incentive gift contingent on raising the remainder of the total amount necessary to build.

With the expansion, many more patients would be able to receive eye care in the out-patient clinic than may be examined in the offices now existing.

"This grant is made in recognition of the position of leadership which the Eye Institute of Columbia-Presbyterian Medical Center has achieved in teaching, research, patient care and in recognition also of the deep interest which Edward S. Harkness had in the Institute during his lifetime," said the President of the Commonwealth Fund, Quigg Newton.

The \$2,000,000 gift to the Medical Center was accepted jointly by President Grayson Kirk of Columbia University and Augustus C. Long, President of Presbyterian Hospital.



"GLAD IT'S OVER"

Down Hospital corridor trails tired Santa. (For more on Yule activities here, see next column and page 8.)

PARKING RULES

The following Winter parking regulations for permit holders in the South Property Parking Area have been issued by James A. Sheridan, Supervisor of the Protective Office:

In the event of a heavy snowfall occurring during the day, all permit holders whose cars are not in a covered area are asked to go to the South Property area as soon as possible so that cars may be moved and snow removal operations expedited.

Staff and personnel on evening or night duty should, whenever possible, use the covered area for parking. If a car is parked in the open area it should be locked and the keys left with the attendant on duty.

Questions regarding the implementation of these regulations should be referred to the Protective Office — Extension 2145.

Black Building Dedicated To Better Health of Man

THE WILLIAM BLACK MEDICAL RESEARCH BUILDING was formally dedicated on January 3rd—six years to the day since Mr. Black made the \$5,000,000 gift to which the structure "owes its existence."

At the dedicatory exercises, Dean H. Houston Merritt of Columbia University's College of Physicians & Surgeons hailed the businessman-philanthropist as "a benefactor of all mankind." He voiced confidence that research conducted in the new building "will help to discover causes and cures for many of mankind's afflictions," and expressed hope that all who worked to make

the new facility a reality will be rewarded by these scientific advances.

The 20-story building, beneficiary of the largest single donation ever made by a living graduate of Columbia University to his *alma mater*, stands at the corner of 168th Street and Fort Washington Avenue. The nation's largest building devoted to medical research, it is also the most major addition to the Columbia-Presbyterian Medical Center in its 38-year history. Ground for the structure was broken four years ago; steelwork was "topped out" in 1963, and occupants began moving in last Autumn.

The dedicatory program opened in the P&S Alumni Auditorium, adjoining the Black Building. Then it moved outdoors to the front of the new research complex for the unveiling of an identifying plaque and the laying of the cornerstone.

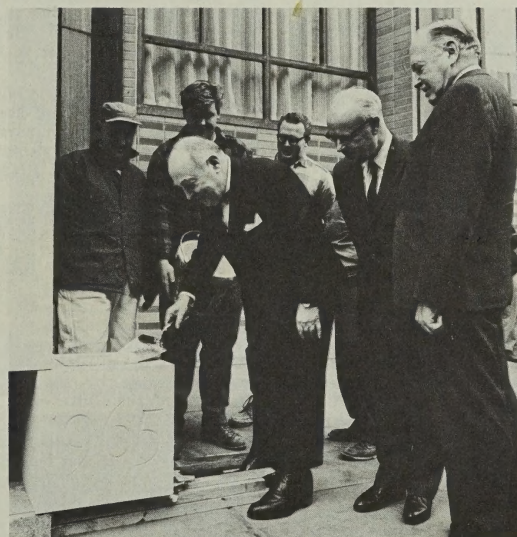
The auditorium ceremony began with an invocation by Rev. John McGill Krumm, Rector of the Episcopal Church of the Ascension and former Chaplain of Columbia University.

HAILS "NOBLE" WAR

Then University President Grayson Kirk briefly traced the development of P&S and said the dedication of the new research facilities "marks another chapter in service to health." There is no more noble activity than medicine's war upon "the ancient enemies of mankind," President Kirk declared. "Even a single discovery made at this great, new scientific resource will more than repay all of the cost and effort required to make it a reality."

"William Black's determination to do something for the good of mankind during his

Continued on page four



William Black applies mortar to cornerstone of new research center as Dean H. Houston Merritt and President Grayson Kirk witness the happy event.

Yuletide Greetings Double Usual Load Of Busy Mail Room

John Campbell, like Santa, is relieved that the Christmas season is past.

As supervisor of the hospital's mail room, his has been an unusually busy post for the last month, during which time the average daily mail almost doubled. Even though many employees cooperated by sending their personal greetings to their hospital friends at home, the influx of greetings and calendars from outside was a heavy tax on this busy facility.

In its quarters in the basement of Vanderbilt Clinic, the hospital's mail room handles 700,000 outgoing and more than 2 million incoming pieces

Continued on page seven

Gets A. C. S. Grant To Measure Value Of Thermography

Dr. William B. Seaman, Director of Radiology, has received a grant from the American Cancer Society to help measure the value of thermography in diagnosing cancer of the breast. Thermography is a method of detecting possible malignancies, based on the fact that such tissues emit more heat than normal.

The work here will be part of a national, cooperative study that will involve an estimated 5,000 patients. Other institutions taking part in the evaluation are in Philadelphia, Baltimore, Norwalk, Conn. and Montgomery, Ala.

Continued on page seven

The Stethoscope

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STETHOSCOPIA

• BRIDES AND GROOMS

Marilyn Smith, R.N., Cardiovascular Lab, and *John C. Gunnell*, 2nd year medical student, were married December 21.

Frances Moya, Medical Information, and Mr. Thomas Stringfield were wed on December 10.

Mary Scarano, Medical Information, and Mr. Robert Ledwith were married December 4.

Virginia Hartley, R.N., on Babies 8, and Mr. Steven M. Marshall will be married in Rochester, N. Y., January 15.

Elaine Marie Rimard, R.N., in Sloane was married to Mr. Paul MacLellan recently.

• SPOKEN FOR

Nedy Perez, R.N., in the Labor Room, is engaged to Mr. Gunter H. Staebler of Trossingen, Germany.

Kathy Zettwock, R.N., in the Labor Room, is engaged to Mr. Richard Klump, a fifth year pharmacy student at Temple University.

Kay Dunphy, R.N., head nurse in the Labor Room, will marry *Robert White*, 4th year medical student at P&S.

Elizabeth Hughes, Social Service, and Dr. M. Arnold Graham, a dentist, are betrothed.

• VACATIONERS

Dominic Reda, head gardener, and Mrs. Reda took a lovely cruise to Nassau recently.

• FAREWELL

Stethoscope bids a fond farewell to *Sydney E. DeBoer* who will be Director of Public Information at the New Britain (Conn.) General Hospital.

Annette Levine, secretary in the Department of Pediatrics, has entered a new field. She is now a travel agent with a Manhattan firm.

Mrs. *Sylvia Leman*, Volunteer Department, will retire this month.

May D. Nicholson, Formula Room, has gone to Atlanta, Ga. to take a position at the Emory Hospital there.

• CONDOLENCES

Our sympathy to Mrs. *Rose Maybruck*, Volunteer, on the death of her husband, who had been a volunteer in the Patient Service Corps.

• NOTES OF INTEREST

Timothy O. Lipman, 2nd year medical student, is the winner of a national essay contest. He has received the Henry Schuman Prize, awarded in the area of the history of science.

Muriel Maguire, formerly an Infant Technician on Sloane 16 for nine years, visited her friends and associates in Sloane recently, but they hardly recognized her: she wore the habit of a Franciscan nun. She is now Sister Antonio, a teacher at St. Joseph's Home in Peekskill, N. Y.

Betty Spofford, formerly assistant in Surgery, who worked here for 35 years, and *Peg Wheelock*, former secretary in the Department of Dermatology, who was at the hospital for 21 years, are the proud owners of a gift shop in New Hampshire. They have taken over an old cobbler's shop and remodelled it into a dwelling and shop, where they also hold ceramic classes.

Miss Rosalie Castagnetta, teacher in our own P.S. 401X will leave here for a six month period during which she will be acting Principal of the 12 hospital classes under the Board of Education's P.S. 401X program of classes for hospitalized children. *Miss Marcella Kreidel* will teach here in her place until the end of the school year. *Miss Castagnetta* expects to return in September.

• NURSING NEWS

Promotions in the Nursing Department to Supervisor include *Violet Mastroberte*, PH 8; *Camela Grande*, Operating Room; *Suzanne Wheelan*, Babies Hospital; *Jane Allen*, Presbyterian.



DOINGS OF DOCTORS



DR. DAVID H. BAKER, Associate Attending Radiologist, presented "Diseases of the Chest in the Neonate" and DR. WALTER E. BERDON, Assistant Attending Radiologist, presented "Inherited Diseases" at the recent meeting of the Radiological Society of North America in Chicago. They also had an exhibit which won the Magna Cum Laude Award at the meeting.

DR. HEINRICH WAELSCH, Professor of Biochemistry, was presented the Award for Distinguished Research by the Association for Research and Nervous and Mental Diseases at their annual meeting last month.

DR. HANS KAUNITZ, Assistant Clinical Professor of Pathology, was recently awarded First Prize for 1964 "for outstanding accomplishment in the application of glycerine and glycerine derivative" by The Glycerine Producers' Association.

DR. ARNOLD L. LISIO, Assistant Resident in Medicine, took part in a panel discussion on hospital public relations at the Greater New York Hospital Association. He discussed "The Role of the House Officer in Caring for the Patient."

DR. ROBERTA M. GOLDRING, Assistant in Medicine, took part in two closed circuit televised Clinical Science Seminars on WNYC-TV recently. The subjects were Cor Pulmonale and The Management of Respiratory Insufficiency.

DR. JOHN CAFFEY, Consultant in Radiology, received the Outstanding Achievement Award for 1965 from the University of Michigan. The presentation of this award, the highest which the University confers on an alumnus, was made by the President of the University at Ann Arbor recently.



Dr. John Caffey

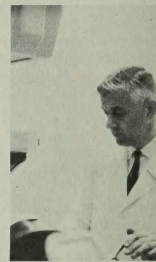
DR. ROBERT E. CARROLL, Attending Orthopedic Surgeon, lectured in Lima, Peru at the meeting of the Latin-American Orthopedic Society in December.

DR. LANDRUM B. SHETTLES, Assistant Attending Obstetrician and Gynecologist, will be included in the new edition of World Who's Who in Science now in compilation.

DR. RONALD L. KATZ, Assistant Attending Anesthesiologist spoke at the Annual Meeting

of the American Society of Anesthesiologists in Denver, Colorado. He gave a Refresher Course Lecture on the rational use of muscle relaxants and also presented a scientific paper entitled "Neuromuscular Effects of Diethyl Ether and its Interaction with Succinylcholine and d-Tubocurarine." Dr. Katz also attended the International Conference on Baroreceptors chaired by Professor C. Heymans in Dayton, Ohio. At this meeting 50 invited participants discussed formally and informally the current state of knowledge of the baroreceptors and their possible role in hypertension. Dr. Katz's paper was entitled "Brainstem Mechanisms Subservient Baroreceptor Reflexes."

DRS. WILLIAM B. SEAMAN, Director of Radiology, CHU HWAI CHANG, Associate Attending Radiologist and Richard Albanese, 3rd year medical student, presented a paper on "a new technique for absolute determination of oxygen tension in tissues" at the 3rd International Conference on Hyperbaric Oxygen held at Duke University recently. The paper was given by Mr. Albanese.



Dr. William B. Seaman

DR. CHANG and E. E. STICKLEY, Ph.D., Associate Professor of Radiology (Physics) attended the dedication of the Claire Zellerbach Zaroni Memorial Tumor Institute, Mt. Zion Hospital, San Francisco, where they were participants in a symposium on hibaroxic radiotherapy (radiation treatments under high pressure oxygen.) Dr. Chang spoke on the management and results of clinical experience with this modality at the Medical Center and Dr. Stickley discussed some of the engineering and safety aspects of the procedure.

DR. VIOLA W. BERNARD, Attending Psychiatrist, was recently presented a plaque for her long and outstanding service to the Group for the Advancement of Psychiatry and to the specialty at large.

DR. JOHN SCUDDER, Associate Attending Surgeon, had an exhibit at the 19th AMA Clinical Convention in Philadelphia on "Osmotic Fragility of Donor Bloods Under Varying Conditions with Different Anticoagulants."

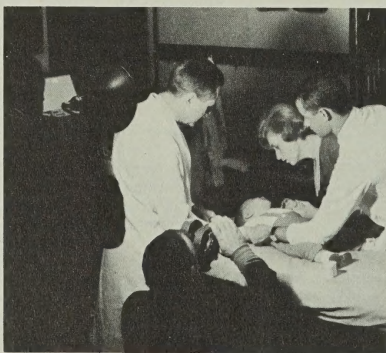
Dean Gets Epilepsy Award

Dr. H. Houston Merritt, Dean of the College of Physicians and Surgeons, is the recipient of the Distinguished Service Award of the Epilepsy Association of America. The presentation was made at the First Annual Awards Dinner on December 2 at the Park Sheraton Hotel.

The citation reads:

"For his scientific achievements in the field of epilepsy, for his encouragement of lay participation in the epilepsy movement and for his vision as an educator, all of which have contributed significantly toward the betterment of the person with epilepsy, the Epilepsy Association has the honor to present to H. Houston Merritt its Distinguished Service Award as an expression of its appreciation and esteem."

Dr. Merritt was recently appointed chairman of the Professional Advisory Council of the Epilepsy Association of America.



A scene at the filming of a TV program on Hand Surgery to be presented by Dr. Robert E. Carroll on WNBC-Channel 4, Saturday, January 29 at 1 p.m. on the weekly feature "Research Project." Shown with patient are Drs. Carroll and John Doyle.

In Memoriam

MRS. JEROME PIERCE WEBSTER

Mrs. Emily Brune Randall Webster, wife of Dr. Jerome P. Webster, Professor Emeritus of Clinical Surgery at the College of Physicians and Surgeons and Consultant in Plastic Surgery at the Presbyterian Hospital, died at Harkness Pavilion on December 11. She was 75 years old.

Mrs. Webster, a pioneer social worker in Baltimore city hospitals, was a member of the Corporation of the Presbyterian Hospital where she served for several years as Chairman of the Women's Auxiliary. She was also a member of the Board of the New York Botanical Garden and a director of Cancer Care, Inc. of New York.

A member of a prominent Baltimore family, Mrs. Webster attended St. Timothy's School and the Peabody Conservatory of Music in Baltimore. She received an M.A. degree from the New York School of Social Work of Columbia University and did social work in New York at the Cornell Medical Clinic. In 1925 she returned to Baltimore and helped to organize the social service department at the City Hospital at Bayview. During this time she made a survey of all the alms houses of Maryland. She later started the Social Service Department at the Harriet Lane Home for Children at Johns Hopkins Hospital, of which she was a trustee.

Funeral services for Mrs. Webster were held at Christ Church, Riverdale, on December 14, 1965, and interment was at Sleepy Hollow Cemetery, Tarrytown, N. Y.

Surviving also are two stepsons, Jerome P. Webster, Jr., of Princeton, N. J., G. Hartley Dodge Webster of Harvard, Mass.; a stepdaughter, Mrs. Robert J. Dellenback of Englewood, N. J., wife of Dr. Dellenback of the Department of Physiology; a brother, Blanchard Randall, and three sisters, Mrs. Maurice Pincoffs, Mrs. Harry R. Slack and Mrs. Edward Hanrahan, all of Baltimore.

JOSEPH SMITH

Joseph Smith, retired foreman of carpenters in the Maintenance and Construction Department at Presbyterian Hospital, died here November 20 at the age of 82.

Mr. Smith was employed by Presbyterian Hospital in 1921. He came uptown with the hospital in 1928 and retired in 1950. Surviving is a son, William, formerly assistant supervisor in Maintenance and Construction.



At press conference announcing new Institute are (left to right) Dr. H. Houston Merritt, Dean of P&S; Sheldon J. Segal, Director of the Bio-Medical Division of the Population Council; Dr. Howard C. Taylor, Jr., Institute director, and President Grayson Kirk of Columbia University.

P&S Graduate in Vietnam

A recent P&S graduate heads a small Marine detachment in Vietnam using bandages rather than bullets to promote the American way with the native population.

Navy Lieutenant Joel M. Rein, Class of '63, and three Navy hospitalmen of the Second Battalion, Seventh Marines, Third Marine Division, operate a dispensary in the small hamlet of Phu Tai, a short way inland from Qui Nhon on the China Sea. There, they distribute medical aid, food and good will among the villagers and to many refugees passing through on their way from battle zones.

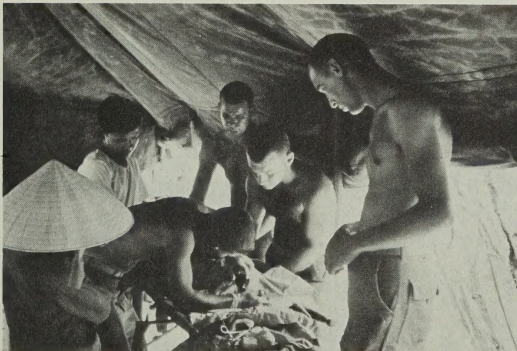
"Gaining the confidence of these people is no small task," the young doctor writes, "yet this is of prime importance if we are to bring them to the

cine and food available there and refugees from other parts stopped for aid on their way through.

"It takes time and patience to win their confidence, but once we do, we have their complete trust," Lt. Rein says.

The reservoir of friendship built by this kind of aid goes a long way toward insuring the cooperation of the civilian population, Marine officials say. Without the help and tolerance of the villagers it is almost impossible for enemy guerilla forces to operate.

Last month, after serving at his outpost dispensary for three months, Lt. Rein was moved to Danang to head a Medical Section Dispensary serving 2,500 men in the installation there. He and 18 corpsmen handle the patient



Dr. Rein, center background, in Vietnam operating tent.

realization of who their real enemies are.

"Combined with their innate shyness, the people are also in fear of reprisals from the Viet Cong if it is known they are accepting aid from the Americans," he explains.

When this small hospital unit moved into its tent headquarters last summer, the village was deserted. Some villagers started to reappear, cautious and curious. Word spread that there was medi-

load in this recently-activated battle zone.

Dr. Reis served his surgical internship at Presbyterian Hospital and then went to Camp Pendleton Marine Base, Oceanside, Calif. as battalion surgeon. After eight months he was transferred to Qui Nhon, a coastal base about halfway between Danang and Saigon. In June he expects to return to the United States and will take up a surgical residency here in October.

Reproduction Institute Slated for Construction

A NEW international center for study of human reproduction and fertility control will be established at the Medical Center with \$8½ million granted Columbia University by the Ford Foundation. The money will be used to construct the building and to support research and training work over the next seven years.

The new complex will be called the International Institute for the Study of Human Reproduction and should be in full operation by 1968. In announcing the undertaking, the president of Columbia, Dr. Grayson Kirk, said its director will be Dr. Howard C. Taylor, Jr., former Chairman of the Obstetrics and Gynecology Department at the College of Physicians and Surgeons.

Dr. Taylor also was director of The Presbyterian Hospital's Obstetrics and Gynecology Service until he retired last Summer. President-elect of the American College of Obstetricians and Gynecologists, he is immediate past president of the International Federation of Obstetricians and Gynecologists.

Dr. Kirk announced that the objective of the new Institute will be to investigate the fundamental physiological, psychological and sociological factors in human reproduction. Through these studies, basic information necessary to planners and workers in the family planning field will be provided. At present there is no institute anywhere in the world carrying on so comprehensive a study of all aspects of human reproduction.

CLINIC GOALS

Dr. H. Houston Merritt, Dean of P&S, said the center will place primary emphasis on clinical research in the problems of fertility, sterility and the reproductive process. It will train representatives of the medical profession from other countries.

Although the Institute would not be oriented exclusively toward the medical sciences, the Dean explained, the relationship between physicians and their associated professions will be emphasized "to give impetus to physician understanding and participation in family planning." Dr. Merritt indicated the center will not be so concerned with the collective approaches of economics, sociology and public health as with the "reaction and effects of the idea of family planning on the individual."

In describing the major objectives of the new organization, Dr. Taylor said it would attempt to combine the "full range of human knowledge of biology, genetics, psychology, sociology, philosophy and religion into an effective discipline." Implicit in such an interdisciplinary organization is the hope, he declared, that after training at the Institute, the student and professional practitioner may return to his work with a greater sense of fundamental issues—thus giving dignity and meaning to otherwise routine duties.

Four major divisions will make up the new Institute: physiology, biochemistry, psychology and sociology and clinical investigation. Dr. Taylor pointed out that the number of top-rank biochemists devoting themselves to problems of reproduction is limited. He said that a major duty of the Institute will be to recruit such talent for study in other fields.

Dr. Taylor noted that "no comprehensive work concerning the reproductive behavior of the different peoples of the world appears to exist." He said the international center would provide more than just the superficial regard now given "local customs with respect to sex, marriage, child-bearing and lactation."

RESEARCH EMPHASES

In describing the work to be done by the Institute's Family Planning Clinic, Dr. Taylor said it would be used to investigate problems of human fertility and to train visiting fellows and students. It would consist of two major divisions including Conception Control and Treatment of Infertility. Clinics for study of auxiliary aspects of human reproduction will include such things as marriage and heredity, counseling and research on pregnancy out of wedlock.

"It is clearly in the developing countries abroad where the population crisis is most acute and where devoted and trained workers are most needed," Dr. Taylor declared. Although training centers are being set up in a number of countries, he said, "It is believed that the Institute can serve a function by establishing and experimenting with models of training programs and in providing a center where ideas from many parts of the world may meet, coalesce and re-crystallize into more universal concepts."

At the same time that the Ford Foundation announced the gift to Columbia, it announced a grant of \$6 million to the Population Council to expand its facilities, staff and program. While the two institutions will be under separate roofs, they expect to collaborate closely, according to the Foundation. The Council will occupy two floors of a new research building being erected at Rockefeller University.

DEDICATION

Continued from page one

own lifetime should be an example to all of us," declared Frederick A. O. Schwarz, Vice President of The Presbyterian Hospital, in welcoming the audience.

Mr. Schwarz said that all who had helped to create the new research center could be rightfully proud of their efforts. And he compared the occasion with that described by Abraham Lincoln in his Gettysburg Address:

"The world will little note, nor long remember, what we say here, but it can never forget what they did here."

Mr. Black, self-styled "poor kid from Brooklyn" who rose to become Board Chairman of Chock Full O'Nuts, responded to a standing ovation with the words: "I don't deserve it. It's only money!"

In a five-minute discussion of the importance of intensified medical research—a speech he called the longest he had ever made—Mr. Black described the important role the lower primates play in scientific study. He urged the United States to raise more of these animals in the suitable climate of southern Florida where, he said, "more than 5,000 square miles of Everglades swampland are going to waste."

The Medical Center benefactor also urged the Government to "push forward in medical research in spite of such other heavy expenses as the war in Vietnam and the exploration of space." Said Mr. Black: "I for one would not hang my head in shame if Russia were putting a man on the moon while we were dis-

covering a cure for cancer."

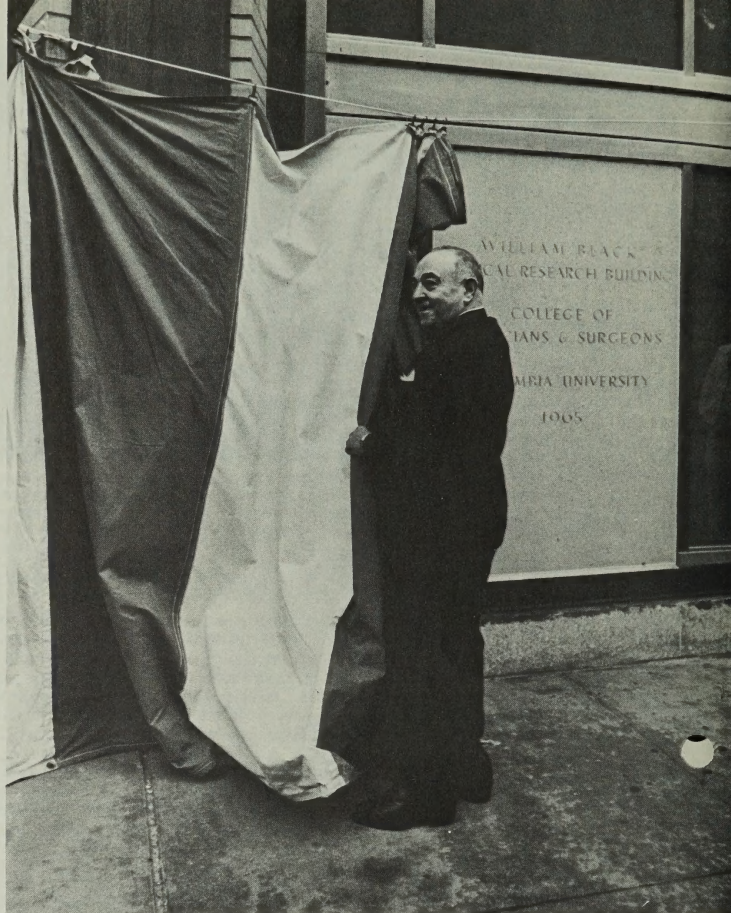
Dr. Merritt, who made the principal address, titled his speech "The Role of Research in Medical Education" and called medical education "inextricably bound" to research. He noted that "Medical students, even those who have no inclination to pursue a career of research, seek admission to those schools where investigation is developed to its optimum degree."

When the dedicatory ceremonies had moved to the outside of the new building, Mr. Black unveiled an identifying plaque of granite lettered in gold leaf, and laid the cornerstone, into which had been inserted a "time capsule."

A tin box about 18 inches square, this capsule will remind some future generation of the research building's evolution. Among its contents are stories printed in *The Stethoscope* and *The New York Times* reporting various forward steps in its financing and construction.

Excavation for the structure required removal of 400,000 cubic feet of solid rock. The building includes 3,000,000 feet of electrical wiring; 6,300,000 pounds of steelwork; 75,000 feet of pipe for main services, and 1,000 windows. Equipment within the completely air-conditioned facility weighs more than 6,000,000 pounds.

The building includes space assigned to The Parkinson's Disease Foundation and specially endowed by Mr. Black who is the organization's founder and president. This area includes a Brain Bank and several electron microscope rooms.



William Black unveils plaque identifying new building that bears his name.

SOME OF THE DEDICATORY REMARKS

Excerpts from Dean Merritt's address:

"There are critics who state that there is an over-emphasis on research; that medical schools are being converted into research institutes; that education of medical students is being neglected; that space needed for teaching is being usurped by research and that medical schools are training cold scientists who lack the devotion attributed to the old family doctor. In our enthusiasm for the pursuit of research, we should not pass off these criticisms as the complaints of the guardians of the status quo who are loath to take on new obligations . . .

"Inevitably, tomorrow's physicians will have to be familiar with a larger body of basic science, more complicated and precise instruments and methods, and have a greater and deeper insight into inheritance, personality and environment. Science is knowledge, and the acquisition of knowledge requires selection, appraisal, critique and judgment. Only with knowl-

edge can one provide maximum help at the bedside . . .

"This building which bears the name, William Black, owes its existence to him. His gift of \$5,000,000 has made our dreams a reality . . . We salute you, Bill, as a benefactor of all mankind . . .

"To all who have labored for the success of this project, we owe a great debt of thanks. We devoutly hope that the benefits to mankind which will come from the research conducted in this building will be their reward."

* * *

From Mr. Black's speech at the dedication:

"I would like to close by quoting a few simple, beautiful lines of blank verse from a book titled 'The Prophet' by Kahil Gibran:

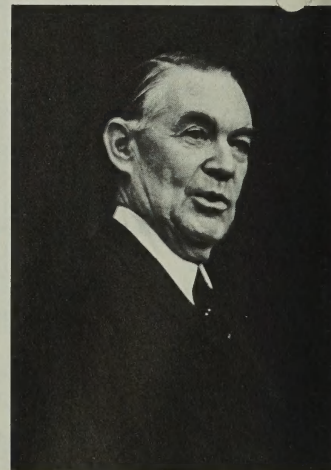
"You give but little when you give of your possessions.

All you have shall some day be given.

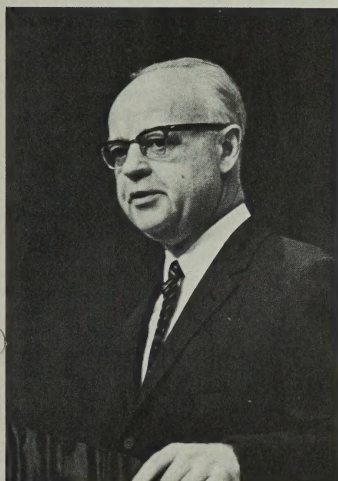
Therefore, give now, that the season of giving may be yours."



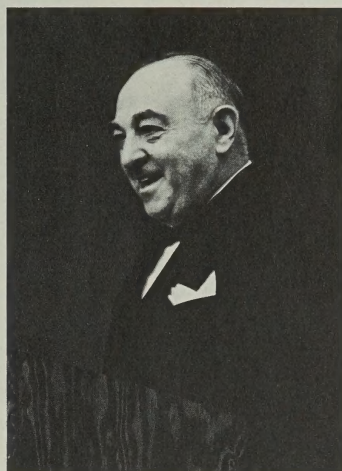
PRESIDENT KIRK



FREDERICK A. O. SCHWARZ



DEAN MERRITT

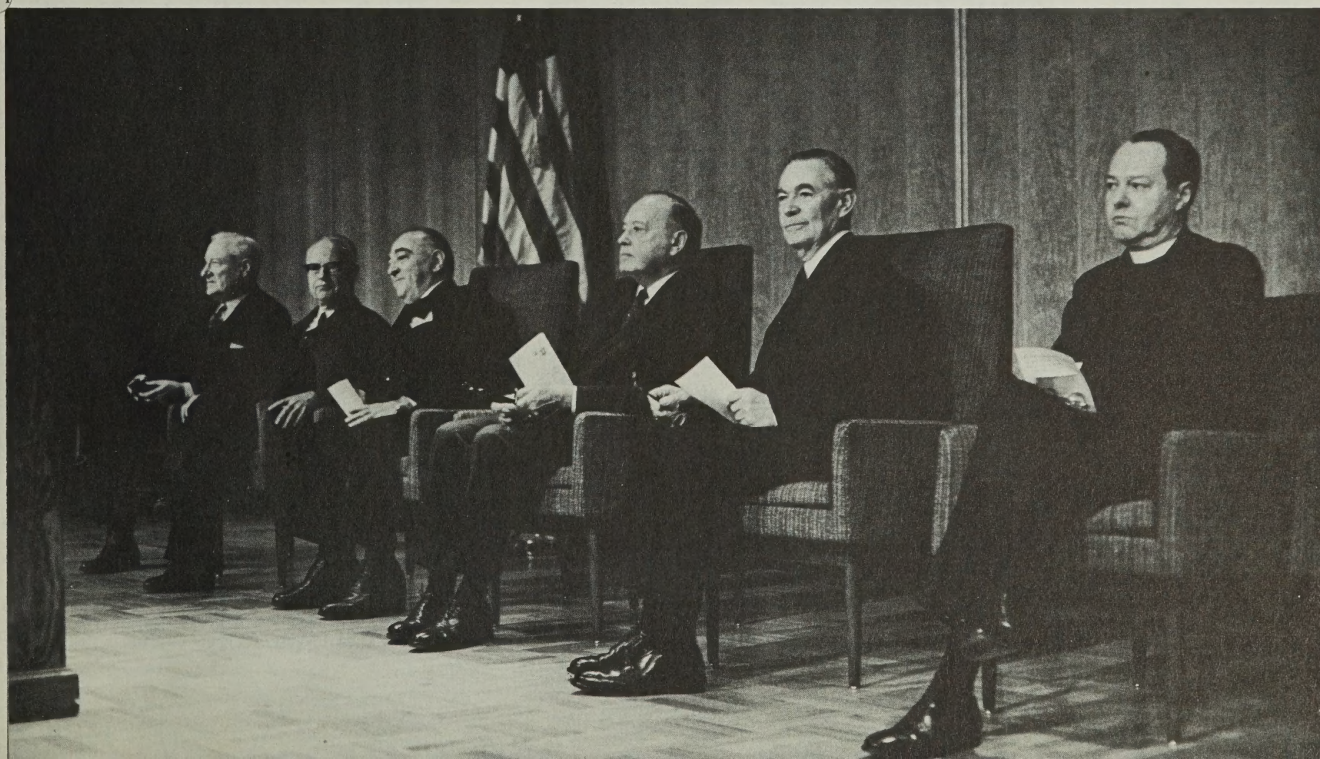


WILLIAM BLACK



Medical Center publications that were placed in cornerstone.

Occupying the dais at dedicatory program were, from left: P&S Dean Emeritus, Dr. Willard C. Rappleye; Dean Merritt; William Black; President Kirk; Frederick A. O. Schwarz, and Rev. John McGill Krumm.



Twin Brothers, Each A Genius...

What makes John a genius and Jim an idiot? Why does John remember in perfect detail something that happened 10 years ago while Jim can't recall an event of last week?

The causes of such mental diversity are among the many elusive answers being sought at this Medical Center. The search is more intriguing when John and Jim—genius and idiot—are the same person. And when these “Jekyll-Hyde” qualities are shown by each of a pair of identical twins, the investigation becomes an important part of the medical records on the subject.

At The Medical Center's Psychiatric Institute, a State institution serving as the psychiatric wing, several such studies have been made in past years. Currently being completed is a study of 25-year-old identical twins whose brains combine qualities of genius and “idiot” at the same time. These young men can, for example, tell you on what day of the week Christmas fell in the year 1746, but at the same time they cannot do simple arithmetic.

The Institute, which makes special clinical investigations with patients referred from Presbyterian Hospital and other sources, has been working with this pair of so-called “idiot savants” for almost three years. In that time, the twins have played roles in the three-part function of the Medical Center: treatment, research and teaching.

“Medical Center psychologists, internists, chemists, neurologists, hematologists—all have examined the twins,” says Dr. William A. Horwitz, Assistant Director of the Institute.

“So far, their tests have not revealed any abnormalities that could account for their combined qualities of genius and idiot. But of course medical knowledge is advanced even when you are able to rule out various things as possible causes of a disorder.”

Physicians wondered, for example, if the twins' disorder could be traced to their having received defective genes from their

parents. Such an inherited abnormality might have explained how they could remember what the weather was on a June day five years ago, and yet be unable to make change for a dollar. But geneticists here made thorough microscopic analyses of the young men's chromosomes and found no such defect.

If asked to explain how they perform their mental acrobatics, the twins can only say, “I just know,” or “It's in my head”—while they tick off the date of the tenth Tuesday in the year 4361.

Since the twins have been here, attempts have been made to teach them how to read and do basic arithmetic. Some progress



Dr. William A. Horwitz questions puzzling twins.

has been made: their general I.Q. has been raised from about 50 to about 70. But their brains seem shut to almost all information except the few kinds they dote on, storing these up in unbelievable quantity and perfect accuracy.

The twins were born prematurely, into a tempestuous home. Diagnosed as retarded at age three, they began poring over calendars and almanacs at six, were first placed in an institution at nine. They have two sisters, who are normal.

Dr. Horwitz says they are the first known pair of identical-twin idiot savants, each of whom gives dates beyond the four centuries covered by printed “perpetual” calendars (these young men see thousands of years forward and backward). They are able to give calendar information so quickly they obviously do not depend on any formula for computing dates—even if they were capable of learning a formula—which they are not.”

...Each An Idiot, Pose A Mystery

Idiotic geniuses are well known to medical history, according to the psychiatrist. For years, popular books and magazine articles have expressed wonderment at these individuals who are retarded except for relatively few abilities which they have to superhuman degree.

There was, as an example, Thomas Wiggins, an Alabama slaveboy born blind and imbecilic. At the age of six, he heard the piano played by an accomplished musician visiting the plantation. That night, when everyone was asleep, little Thomas stole back to the piano and duplicated the music he'd heard, exactly, though he'd never touched the keyboard before.

The child revealed a flair for faultless imitation of music and for 25 years toured the United States and Europe displaying his strange ability.

In France was reported the case of Monsieur Fleury, a feeble-minded inmate of an asylum at Armentieres. He could grasp little of what physicians tried to teach him, but showed arithmetic talent that was staggering.

Once a group of “Europe's top scholars” gathered to test him. They asked: If you have 64 boxes and put a grain of corn in the first box, and twice as many in each succeeding box, how many grains do you put in the 64th box? Monsieur Fleury giggled a few seconds before rattling off the answer: 18,446,734,073,709,551, etc. . . .

“The factors at play in such idiot savants are probably beyond our present knowledge, and what knowledge we do have has not yet been transferred into treatment,” says Dr. Horwitz. “Yet not so many years ago we knew no more of how to treat the whole range of psychiatric problems than we know today about treating mental deficiency alone.”

“So the real importance of our twins lies in our inability to explain them. They are a challenge to our capability, a reminder of our ignorance.”

Jan. 31 Closes Aid for School

January 31st is the final date for the return of applications for financial assistance for the Spring Semester, under the Sidney J. Weinberg Educational Aid Reimbursement Plan. Forms are available now at Personnel. They must be completed and returned to that office before the above date.

This year, for the first time, aid will be extended to include courses taken during summer sessions. Further information on this may be obtained by calling Miss Lillian Oring at Extension 2331.

Under the Weinberg Plan, any full-time employee of Presbyterian Hospital who has served for six consecutive months may follow job-related studies at a school of recognized standing and be reimbursed for up to one-half the tuition fee of one to six credits per semester, or the equivalent in non-credit courses. Approval of the courses by the Personnel Office and their satisfactory completion is required.



“Greetings” From Mozambique

So you think the Christmas card you sent out last month was unusual?

Perhaps so. The Medical Center “family” chose many an attractive card that added to our holiday spirit and helped furnish a gay, decorative note in our working areas. But certainly among the most interesting greetings of all was this one, mailed by Dr. and Mrs. Frederick S. Craig.

The picture was taken in Africa where the Craigs were on safari last Summer. Biting the dust is a powerful Cape buffalo—brought down by Mrs. Craig in Chemba, Mozambique.

With the rightfully-proud huntress are (far left) Dr. Craig, Assistant Attending Surgeon; professional hunter; game tracker and two bearers, who helped bag the beast.

Presbyterian Graduate First Woman To Get Rockefeller Service Award

A Presbyterian nurse is the recipient of the highest honor that our government can bestow on a Federal career employee.

Margaret Arnstein, a graduate of the Presbyterian Hospital School of Nursing Class of 1928, is the first woman to receive a Rockefeller Public Service Award “for sustained excellence in service to the nation.” It carries a prize of \$5000.

The presentation was made in Washington last month to this Senior Nursing Advisor for the Office of International Health, U. S. Public Health Service, by Vice President Hubert Humphrey.

Miss Arnstein is a Phi Beta Kappa graduate of Smith College where she pursued a pre-med course. Hers is a family of physicians including her father, a late sister and a brother. However, she decided to follow her first love, nursing, which was her career choice while in high school.

Her work has been largely

in the public health nursing area and she has received much recognition for her accomplishments. Last year she received the Public Health Service Distinguished Service Medal and in 1955 she shared a Lasker Award with two other public health nurses. She also holds honorary degrees from Smith College and Wayne State University.

At present Miss Arnstein is participating in a Rockefeller Center AID study of health manpower training programs in the developing countries. This assignment necessitates much travel in the course of duty. In recent months she has visited India, Nigeria, Thailand, Guatemala, Kenya, Ethiopia and Senegal.

Miss Arnstein believes that although the need for more bedside nurses is pressing, the acute shortage exists in the supply of qualified teachers of nursing and qualified administrators. She would encourage girls to enroll in nursing schools offering a degree.

BOLSHOI BALLET

Tickets for the May 4 benefit performance of the Bolshoi Ballet at the Metropolitan Opera House may be obtained from Lenore Tobin, 246 West 44th Street, New York City, telephone LO 4-5180. Miss Tobin is coordinating benefit arrangements for the Women's Auxiliary of the New York Orthopaedic Hospital, who are sponsoring the performance during the centennial celebration of that hospital.

Margaret Day, "House Mother," Neuro Retiree



MRS. MARGARET DAY

Without a doubt, Mrs. Margaret Day was the only woman at the Medical Center who referred to a sizable group of doctors as "my buttercups."

Officially, Margaret — who retired Dec. 17 — was maid in the Resident Doctors' Quarters at Neurological Institute. Unofficially, she was "house mother" to the numerous young residents in neurology and neurosurgery who live there.

Said a neurosurgery resident, one of Margaret's "charges" for a number of years: "Margaret picked up after us, gave us the devil, put up with our teasing and even prescribed her own folk remedy for our colds: honey, glycerin and lemon juice. She's a dear and we'll miss her."

Neurological Institute 23 years ago. It was in 1957 that she transferred to the job she liked best—maid in the Resident Doctors' Quarters.

Married at 16, Margaret raised two sons of her own before going to work outside her home. She now is a grandmother to six and, believe it or not, great-grandmother to five youngsters.

In retirement the sprightly native of New York City plans to move to Bayport, Long Island, where she will rest a while, do some visiting, crochet sweaters for her great-grandchildren and, every now and then, worry whether her "buttercups" are taking care of themselves as they should.

Mrs. Edna Byrnes Gone from Maxwell



MRS. EDNA BYRNES

Gone from Maxwell Hall is the smiling face of Mrs. Edna Byrnes, who retired December 23 after 11 years as a housekeeper there. She's hoping, now, to do recreational work with the city's Parks Department during the milder months of the year and perhaps spend some time in California. Beverly Hills is the home of Mrs. Byrnes' brother, Benny Carter, a writer and arranger of music for television and films.

Mrs. Byrnes had other show business connections before coming to work at the Hospital. After high school, she studied dressmaking at Pratt Institute and went to work at a swank Manhattan shop. "There was a young girl there, fresh from Paris in those days," she recalls. "This girl was interested in acting and finally got a role in a Broadway show called 'The Barker,' which all of us at the shop went to see. The girl's name was Claudette Colbert."

Before joining us, Mrs. Byrnes also served as wardrobe mistress to entertainers at a Greenwich Village night spot.

"But these past years have been most wonderful," she says, "and I intend to keep in touch with all the good friends I've made here." She also intends to see more of her nine grandchildren and one great-grandson, born in September.

MAILROOM

Continued from page one of mail annually. It has been estimated that our postal service handles the volume that would clear through a post office serving a town of 12,000 inhabitants.

All the sorting and delivering, metering and marking of mail is handled by Mr. Campbell and his assistants. They also receive and receipt monies mailed in payment of bills, a large part of the hospital's daily revenue.

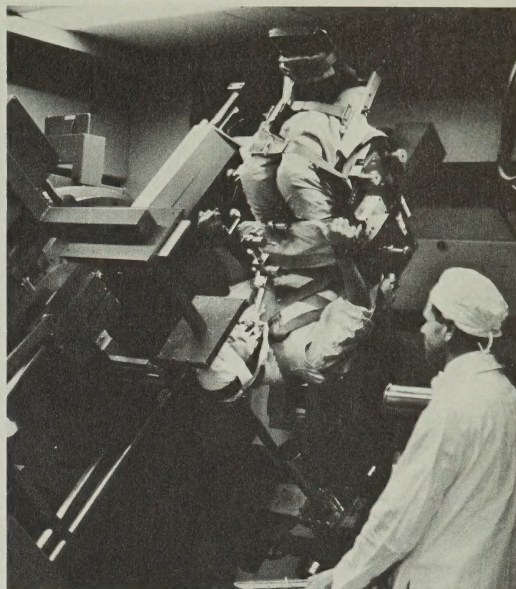
The mail sometimes brings surprises, too. Mr. Campbell recalls the arrival of a lively package with some curious turtles, who broke out of their mailing cartons to explore the far corners of the mail room. There ensued something like a terrapin scramble—or a mail clerk stew—until the tortoises were returned to their boxes.



John Campbell routes Christmas mail for Medical Center delivery.

The average day is seldom lightened by such an amusing incident, however. It's usually a race against time in the morning to get the mail routed. A large part of the delivery is bulky, consisting of periodicals such as medical and hospital journals and packages, and then there is the problem of interpreting the addresses.

When interviewed among stacks of mail the Monday after the New Year, John expressed a happy thought: "Christmas won't come for another 355 days!"



Dr. Douglas G. Potts rotates patient for study.

"Somersault Chair" At Neuro

A "somersault chair" that can revolve a patient around a complete circle while keeping his head at a fixed point has been installed in the radiology section of the Neurological Institute.

Resembling a miniature Ferris wheel, the chair improves the taking of X-ray pictures in diagnosing disorders of the brain. It was built from a wooden model designed two years ago by Dr. Douglas G. Potts, Assistant Attending Radiologist, and is the first such device in the world; two others now are being built for other hospitals.

When the patient has been strapped in the somersault chair and the X-ray beam focussed on the precise center of the head, he can be tilted or turned to any angle without moving the head off center. Diagnostic picture-taking with earlier chairs was slower be-

cause it was necessary to re-adjust the X-ray tubes and film when the patient needed to be examined in different positions.

By changing the patient's position, radiologists can study the shape of the ventricles of the brain. These irregular cavities usually contain fluid, but for examination by X-rays are injected with a small amount of air. On the films, the air appears as a shadow helping to pinpoint the location of any abnormality.

Dr. Potts says eventually the chair can be "programmed" so that it will automatically photograph a patient in a series of tilted positions. This would condense work now requiring about two hours to approximately 15 minutes. It also would be possible to televise the brain pictures for instantaneous reading, teaching and recording.

A. C. S.

Continued from page one

Presbyterian Hospital was granted \$15,061 for its phase of the research. Co-investigators with Dr. Seaman are Drs. Heywood Y. Epstein, Assistant Radiologist; Josephine Wells, Attending Radiologist and Meyer Alpert, Assistant Attending Radiologist. The Department of Surgery also is participating in the investigation.

In announcing the grant, the American Cancer Society said that improved diagnosis is even more significant with malignancy of the breast "the leading cause of cancer deaths among American women." In addition to studying the reliability of thermographic diagnosis, the physicians hope to compare this method with X-Ray mammography.

MEET "DOCTOR" SHAKESPEARE!

"By my troth, I am exceeding ill." — Much Ado About Nothing, Act III.

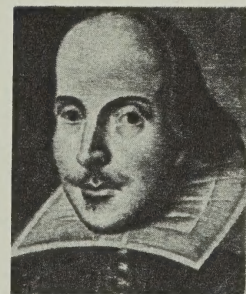
"I have caught extreme cold." — Taming of the Shrew, Act IV.

"Ay me! This tyrant fever burns me up!" — King John, Act V.

"By medicine life may be prolonged." — Cymbeline, Act V.

"I'll to the doctor: he hath my good will." — Merry Wives of Windsor, Act IV.

"My veins are chill, and have no more life than may suffice to give my tongue that



WILLIAM SHAKESPEARE, "M.D."

heat to ask your help." — Pericles, Act II.

"Go ply thy needle." — Taming of the Shrew, Act II.

"I am your butt, and I abide your shot." — 3 Henry VI, Act I.

"A goodly medicine for my aching bones." — Troilus and Cressida, Act V.

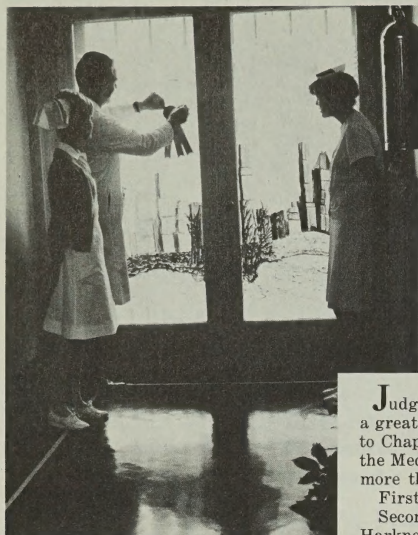
"My will is even this: that presently you hie you home to bed." — Two Gentlemen of Verona, Act IV.

"O true apothecary!" — Romeo and Juliet, Act V.

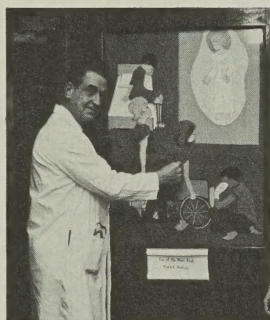
"My lord, here is my bill." — Timon of Athens, Act III.

"I am sick still!" — Cymbeline, Act IV.

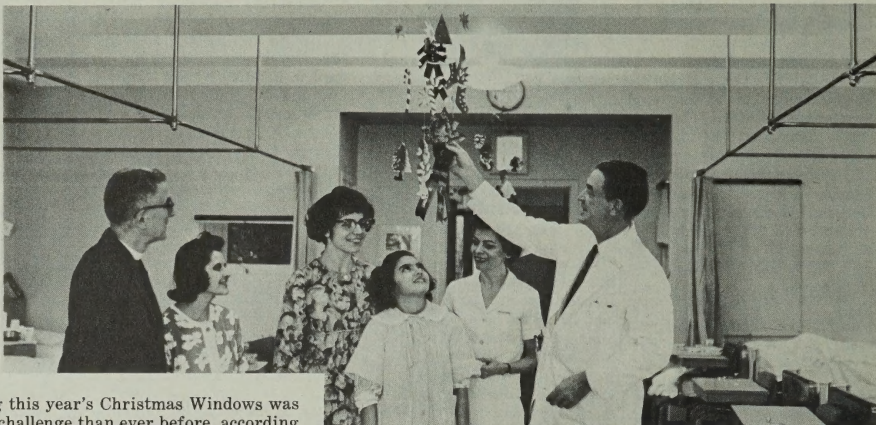
A Gallery of Christmas Art Competition Winners



Nurses Barbara Kavulich and Eileen Glaccum view the Harkness 4th floor prize winning doors as Dr. C. R. Wise places the award.



Vanderbilt Clinic 7, door to Oral Surgery, by Mrs. Melissa Roehrig, was awarded a first prize.



Mobiles done by patients in Neurological 4 West won a blue ribbon. Watching the award are Chaplain Robert B. Reeves, Jr., patients Jane Cavellero, Eileen Andress and Rose Paredes and Nurse Monique Vanden Broecke.

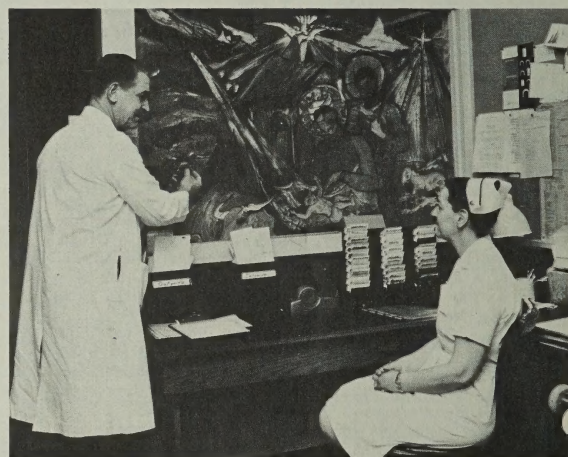
Judging this year's Christmas Windows was a greater challenge than ever before, according to Chaplain Robert B. Reeves, Jr., chairman of the Medical Center Art Committee. There were more than 100 entries in this annual event.

First prize winners are pictured here.

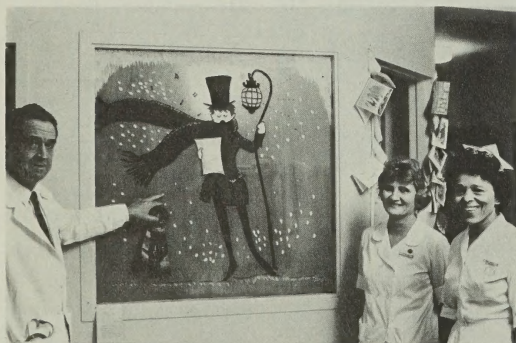
Second prizes, red ribbons, were awarded to Harkness Pavilion 510 and service elevator door, done by Nurse Frances Cruickshank; Babies Hospital 12th floor roof windows, by Volunteer Frieda Dankwerth; Presbyterian 8 West Nurses' Station, by the staff; Vanderbilt Clinic fifth floor Dermatology Clinic, by the staff, and Neurological Institute first floor Social Service, by Ellen Smith and the staff.

Honorable mention, white ribbons, to Harkness 7 Annex Nurses' Station by Nurse Louise Blanchet; Babies 530, by Judy R. Hogan; Vanderbilt 10 room 232, by Nurse Lillian Vahey and staff; Neuro 4 West, by Patients, Eye 3 Center 315, by Nurse Keville Conrad and Juanita Carlson; Eye 3 West doors by Mrs. Jean Williams; P&S 16 room 461, by Zita Rodriguez; Presbyterian 9 Metabolism by Nurse Joan Chamberlain; Presbyterian 9 Center doors, by the staff, and Presbyterian 20 Blood Bank, by Mrs. Ruth Bogan.

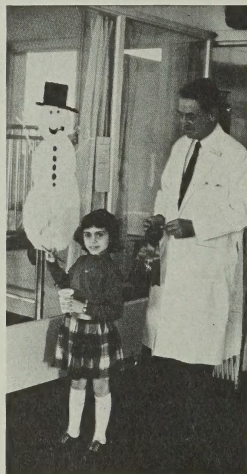
At Mary Harkness Unit, indoor awards went to Mrs. Dorothy Pryor, Food Department, first prize; Mrs. Doris Volkhardt, Volunteer, second prize. Outdoor awards to Stanley Muzoleski, Grounds Foreman, first prize; Lester Frost, Groundsman, second prize.



The Presbyterian 5 West Nurses Station receives a blue ribbon as Mrs. Angela Millward looks on.



Nurse Helen Madura and Mrs. Minnie James, L.P.N. receive the award for the Eye Institute 3 East window painted by Louis Diaz.



A young patient on Babies 10, Liza Feniger, painted this winner in the Children's Division.

ON THE SHELF

New Books in Milbank Library

FICTION

At Play in the Field of the Lord by Peter Matthiessen. Four missionaries and a soldier of fortune in conflict over the fate of a dangerous tribe of Amazon jungle Indians.

Everything that Rises Must Converge by Flannery O'Connor. A collection of nine stories set in the South by one of America's most gifted contemporary writers.

The Gentleman from California by Niven Busch. This political novel follows the career of Clayton H. Belshaw, 1972 Presidential candidate.

Petrovka 38 by Julian Seneyonov. In this spy novel, a crime is solved by the men of Petrovka 38—the Russian equivalent of Scotland Yard.

NON-FICTION

Wandering Through Winter by Edwin Way Teale. A twenty-thousand-mile trip through the U. S. with America's foremost writer-photographer-naturalist as guide.

Day of Trinity by Lansing Lamont. A full account of one of the most climactic occasions in history: the explosion of the first atomic bomb.

Margaret Mitchell of Atlanta by Finis Farr. An interesting biography of the author of the novel "Gone With the Wind."

The Situation in Flushing by Edmund Love. A nostalgic portrait of a small Michigan town around the turn of the century.